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United States Department of Agriculture,

WASHINGTON, D. C., June 30, 1919.

MONTHLY LIST OF PUBLICATIONS.

[JUNE, 1919.]

READ CAREFULLY BEFORE ORDERING.

~~☞~~ Send no remittances to the U. S. Department of Agriculture.

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

~~☞~~ Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

~~☞~~ NOTE.—The department's supply of the current numbers of Farmers' Bulletins is ordinarily sufficient to make it possible to send them free to all applicants. They are also for sale at 5 cents per copy.

"White Ants" as Pests in the United States and Methods of Preventing Their Damage. By T. E. Snyder, Specialist in Forest Entomology, Forest Insect Investigations. Pp. 16, figs. 11. Contribution from the Bureau of Entomology. (**Farmers' Bulletin 1037.**)

A revision of Farmers' Bulletin 759, and suitable for general distribution.

The Striped Cucumber Beetle and Its Control. By F. H. Chittenden, Entomologist in Charge, Truck-Crop Insect Investigations. Pp. 19, figs. 15. Contribution from the Bureau of Entomology. (**Farmers' Bulletin 1038.**)

Suitable for general distribution.

Saving Man Labor in Sugar Beet Fields. By L. A. Moorhouse, Agriculturist, and T. H. Summers, Scientific Assistant. Pp. 18, figs. 26. Contribution from the Office of Farm Management. (**Farmers' Bulletin 1042.**)

Of interest to sugar-beet growers generally.

Laying Out Fields for Tractor Plowing. By H. R. Tolley, Scientific Assistant. Pp. 40, figs. 33. Contribution from the Office of Farm Management. (**Farmers' Bulletin 1045.**)

Of interest to all farmers using tractors.

Rhodes Grass. By S. M. Tracy, Agronomist, Office of Forage-Crop Investigations. Pp. 16, figs. 3. Contribution from the Bureau of Plant Industry. (**Farmers' Bulletin 1048.**)

Suitable for distribution in Florida, along the Gulf coast westward, and in southern Texas; also in southern California and Arizona.

Handling and Loading Southern New Potatoes. By A. M. Grimes, Scientific Assistant. Pp. 18, figs. 17. Contribution from the Bureau of Markets. (**Farmers' Bulletin 1050.**)

Suggests methods of handling potatoes to avoid loss in transit, and is of interest to commercial growers and shippers of potatoes.

Control of Cherry Leaf-Spot. By John W. Roberts, Pathologist, and Leslie Pierce, Assistant, Office of Fruit-Disease Investigations. Pp. 8, figs. 6. Contribution from the Bureau of Plant Industry. (**Farmers' Bulletin 1053.**)

Suitable for general distribution.

DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information, as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

The Leaf-Spot Diseases of Alfalfa and Red Clover Caused by the Fungi Pseudopeziza Medicaginis and Pseudopeziza Trifolii, Respectively. By Fred Reuel Jones, Pathologist, Cotton, Truck, and Forage Crop Disease Investigations. Pp. 38, pls. 3, figs. 5. Contribution from the Bureau of Plant Industry. (Professional Paper.) June 19, 1919. (**Department Bulletin 759.**) Price, 10 cents.

Lessons on Dairying for Rural Schools. By Alvin Dille, Assistant in Agricultural Education. Pp. 31, figs. 14. Contribution from the States Relations Service. (Professional Paper.) June 6, 1919. (**Department Bulletin 763.**) Price, 10 cents.

For use of teachers.

Commercial Preservation of Eggs by Cold Storage. By M. K. Jenkins, Assistant Bacteriologist. Pp. 66, pls. 6, figs. 8. Contribution from the Bureau of Chemistry. June 3, 1919. (**Department Bulletin 775.**) Price, 10 cents.

Of especial interest to wholesale dealers in eggs and managers of cold-storage plants.

The Grain Bug. By D. J. Caffrey and George W. Barber, Scientific Assistants, Cereal and Forage Insect Investigations. Pp. 35, figs. 13. Contribution from the Bureau of Entomology. (Professional Paper.) June 24, 1919. (**Department Bulletin 779.**) Price, 5 cents.

Describes a serious enemy to wheat and other small grains in the intermountain and southwestern States and suggests methods of control.

Nosema-Disease. By G. F. White, Specialist in Insect Diseases. Pp. 59, pls. 4, figs. 7. Contribution from the Bureau of Entomology. (Professional Paper.) June 12, 1919. (**Department Bulletin 780.**) Price, 10 cents.

A description of an infectious disease of adult honeybees. Of interest to all bee keepers.

A Study of the Alkali-Forming Bacteria Found in Milk. By S. Henry Ayers, Philip Rupp, and Wm. T. Johnson, jr., of the Dairy Division. Pp. 39, figs. 2. Contribution from the Bureau of Animal Industry. (Professional Paper.) June 17, 1919. (**Department Bulletin 782.**) Price, 5 cents.

Of interest to chemists generally.

Lessons on Potatoes for Elementary Rural Schools. By Alvin Dille, Assistant in Agricultural Education. Pp. 24. Contribution from the States Relations Service. (Professional Paper.) June 10, 1919. (**Department Bulletin 784.**) Price, 5 cents.

For use of teachers and rural schools.

Protection from the Locust Borer. By F. C. Craighead, Specialist in Forest Entomology, Forest Insect Investigations. Pp. 12, pls. 3. Contribution from the Bureau of Entomology. June 9, 1919. (**Department Bulletin 787.**) Price, 5 cents.

Suggests methods of control of this insect and is of especial interest to those engaged in growing locust trees on a commercial scale.

MISCELLANEOUS.

Standards of Purity for Food Products. Pp. 22. June, 1919. (**Circular 136, Office of the Secretary.**) Price, 5 cents.

Supersedes Office of the Secretary Circulars 13, 17, and 19.

Report of the Committee Appointed by the Secretary of Agriculture to Consider the Subject of Land Economics as one of the Divisions of Research Work of the Proposed Bureau of Farm Management and Farm Economics. Pp. 8. June, 1919. (**Circular 138, Office of the Secretary.**) Price, 5 cents.

Report of Committee Appointed by the Secretary of Agriculture to Consider the Subject of Farm Life Studies as One of the Divisions of Research Work of the Proposed Bureau of Farm Management and Farm Economics. Pp. 8. June, 1919. (Circular 139, Office of the Secretary.) Price, 5 cents.

Lumber Export and Our Forests. By Henry S. Graves, Forester, Forest Service. Pp. 15. June, 1919. (Circular 140, Office of the Secretary.) Price, 5 cents.

Trend of the Dairy-Cattle Industry in the United States and Other Countries. By T. R. Pirtle, Dairy Division. Pp. 19, figs. 21. Contribution from the Bureau of Animal Industry. June, 1919. (Department Circular 7.)

Meadow Fescue. By H. N. Vinall, Agronomist, Forage-Crop Investigations. Pp. 4, fig. 1. Contribution from the Bureau of Plant Industry. 1919. (Department Circular 9.)

Points for Egg Buyers. What to Sell: What to Buy: How to Candle: Egg-Candling Devices. Pp. 11, il. Contribution from the Bureau of Chemistry. 1919. (Department Circular 25.)

How Teachers May Use Farmers' Bulletin 1044, The City Home Garden. By Alvin Dille, Assistant in Agricultural Education. Pp. 8. Contribution from the States Relations Service. June, 1919. (Department Circular 33.)

Status and Results of County-Agent Work in Northern and Western States, 1918, Showing War Service of the County Agent. By W. A. Lloyd, In Charge of County-Agent Work. Pp. 16, figs. 6. Contribution from the States Relations Service. May 15, 1919. (Department Circular 37.)

Boys' Agricultural Club Work in the Southern States. By I. W. Hill and C. L. Chambers, Boys' Club Work. Pp. 22, figs. 10. Contribution from the States Relations Service. June, 1919. (Department Circular 38.)

Insect Enemies and Diseases of the Tomato. Pp. 18, figs. 33. Contribution from Office of Extension Work South, States Relations Service. June, 1919. (Department Circular 40.)

Mountain Playgrounds of the Pike National Forests. Pp. 17, figs. 5, map. Contribution from the Forest Service, 1919. (Department Circular 41.)

Perennial Rye-Grass. By Lyman Carrier, Agronomist. Pp. 2. Contribution from the Bureau of Plant Industry. May 31, 1919. (Department Circular 42.)

How to Make a Hog Crate. Pp. 2, fig. 1. Contribution from the Bureau of Animal Industry. 1919. (Department Circular 46.)

Making and Maintaining a Lawn. Pp. 6. Contribution from the Bureau of Plant Industry. June 16, 1919. (Department Circular 49.)

Sudan Grass. (*Andropogon sorghum* var.). Pp. 4. Contribution from the Bureau of Plant Industry. June 16, 1919. (Department Circular 50.)

Our National Elk Herds. A Program for Conserving the Elk on National Forests about the Yellowstone National Park. By Henry S. Graves, Forester, and E. W. Nelson, Biologist. Pp. 34, figs. 19. Contribution from the Forest Service and the Bureau of Biological Survey. June, 1919. (Department Circular 51.)

SERIALS.

Journal of Agricultural Research. (For sale only.) Vol. 17, No. 2. May 15, 1919. Contents: Influence of Soil Environment on the Root-rot of Tobacco. (rs Wis-15.) By James Johnson and R. E. Hartman. Pp. 41-86, pls. 8. Price, 15 cents.

NOTE.—Volumes 1 to 4 of the Journal of Agricultural Research were published monthly, volumes 5 to 16 weekly, and volume 17 is being issued monthly. The Journal is distributed free only to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being \$1.50 per year for domestic circulation and \$2 for foreign circulation.



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Experiment Station Record. Vol. 40, No. 5. April, 1919. E. W. Allen, Ph. D., Editor. Pp. 401-500. Price, 15 cents.

Same, Vol. 40, No. 6. Abstract Number. June 23, 1919. Pp. 501-600. Price, 15 cents.

~~Note.~~—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, 10 numbers each, at \$1 a volume.

The Monthly Crop Report. Vol. 5, No. 6. June, 1919. Pp. 53-60. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.

SOIL SURVEYS.

~~All~~ All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of Howard County, Arkansas. By M. W. Beck, M. Y. Longacre, F. A. Hayes, and W. T. Carter, Jr. Pp. 48, pls. 3, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

Soil Survey of Barbour and Upshur Counties, West Virginia. By W. J. Latimer. Pp. 51, fig. 1, map. (From F. O. Soils, 1917.) Price, 15 cents.

SEPARATES.

Miscellaneous Agricultural Statistics, 1918. Pp. 64. (Yearbook Separate 795.) Price, — cents.

The Black Stem Rust and the Barberry. By E. C. Stakman, Bureau of Plant Industry. Pp. 28, pls. 10. (Yearbook Separate 796.) Price, — cents.

PUBLICATIONS OF THE WEATHER BUREAU.

~~All~~ Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Monthly Weather Bureau. Vol. 47, No. 3. March, 1919. [June 10, 1919.] Pp. 143-204, figs. 29, charts 9. Price, 25 cents per copy, \$2.50 per year, payable to the Superintendent of Documents.

Special Articles: Conventional clouds induced by forest fires. By F. A. Carpenter.—Notes on a cumulus cloud formed over a fire. By C. A. Reichelt.—Rain from cumulus clouds over fires. By J. P. Espy.—Heights of cumulus clouds forming over fires. By S. P. Ferguson and C. F. Brooks.—Results of observations of clouds during the solar eclipse June 8, 1918. By S. P. Ferguson.—Clouds in east Texas on June 8, 1918. By C. F. Brooks.—Reflecting power of clouds. By L. B. Aldrich.—An improvement in the pole star recorder. By B. C. Kadel.—The duration of moonlight. By A. McAdie.—On the relations of atmospheric pressure, temperature, and density to altitude. By H. H. Kimball.—The temperature, pressure, and density of the atmosphere in the region of northern France. By W. J. Humphreys.—The minimum temperature at the base of the stratosphere. By W. J. Humphreys.—Why clouds never form in the stratosphere. By W. J. Humphreys.—The daily variation of temperature in the lower strata of the atmosphere. By W. H. Dines.—On the diurnal incidence of maximum and minimum temperatures at Eskdalemuir. By A. C. Mitchell.—Influence of snow-cover on the temperature distribution in Utah, January, 1919. By T. A. Blair.—Effect of gunfire on the rainfall of the British Isles. By H. R. Mill.—Tornado at Porter, Okla., March 15, 1919. By J. A. Rehle.—The storm of March 16, 1919, at Fort Smith, Ark. By L. J. Guthrie.—General extent of collegiate instruction in meteorology and climatology in the United States. By C. F. Brooks.

National Weather and Crop Bulletin. Nos. 11, 12, 13, 14, June, 1919, reporting temperature, rainfall, and crop conditions throughout the United States. Issued weekly, on Wednesdays, April to October; monthly remainder of year. Price, 25 cents a year.

EDWY B. REID,
Chief, Division of Publications.